

D References

- Cao, W., Jing, J., Ma, J., Xu, Y., Wang, H. and Goode, P.R., 2005, *Diffraction Limited Polarimetry from Infrared Imaging Magnetograph of Big Bear Solar Observatory*, Ap.J. Letters, submitted.
- Denker, C., Mascarinas, D., Xu, Y. Cao, W., Yang, G., Wang, H., Goode, P. R. and Rimmele, T., 2005, *High-Spatial-Resolution Imaging Combining High-Order Adaptive Optics, Frame Selection, and Speckle Masking Reconstruction*, Solar Physics, 227, 217-230
- Didkovsky, L, Dolgushyn, A., Marquette, W., Hegwer, S., Ren, D. Fletcher, S. Richards, K., Rimmele, T. R. Denker, C. and Wang, H. 2003, "High-order adaptive optical system for Big-Bear Solar Observatory," Proc. SPIE, 4853, 630-639
- Ellerbroek, B. E. Giles, L. and Vogel, C. R. 2003, "Numerical simulations of multi-conjugate adaptive optics wave-front re-construction on giant telescope," Applied Optics, 42, 4811
- Goode, P. R., Denker, C. J., Didkovsky, L. I., Kuhn, J. R. and Wang, H., 2003, "1.6 M Solar Telescope in Big Bear – The NST", JKAS, 36, 125-133
- Hill, F. et al., 2004, ATST Site Survey Report
- Ji, H., Wang, H., Schmahl, E. J., Moon, Y.-J.; Jiang, Y. 2003, *Observations of the Failed Eruption of a Filament*, Ap.J. Letters, 595, 135-138
- Ji, H., Wang, H., Schmahl, E. J., Qiu, J. and Zhang, Y., 2004a, *Observations of Nonthermal and Thermal Hard X-Ray Spikes in an M-Class Flare*, Ap.J., 605, 938-947
- Ji, H., Wang, H., Goode, P. R., Jiang, Y. and Yurchyshyn, V., 2004b, *Traces of the Dynamic Current Sheet during a Solar Flare*, Ap.J. Letters, 607, L55-58
- Lin, H., Kuhn, J.R. and Coulter, R., 2004, *Coronal Magnetic Field Measurements*, Ap.J., Letters, 613, L177-180
- Liu, C., Deng, N., Liu, Y., Falconer, D., Goode, P. R., Denker, C. and Wang, H., 2005, *Rapid Change of delta Spot Structure Associated with Seven Major Flares*, Ap.J., 622, 722-736
- Madec, P.Y., 1999, in *Adaptive Optics for Astronomy*, F. Roddier ed., Cambridge University Press, 131
- Rimmele, T. R., 2004 *Recent advances in solar adaptive optics*, 2004, SPIE, 5490, 34
- Qiu, J., Ding, M. D., Wang, H., Gallagher, P. T., Sato, J., Denker, C., and Goode, P. R., 2001, *Ultraviolet and Halpha Emission in Ellerman Bombs*, ApJ Letters, 554, L445-448
- Qiu, J., Lee, J. W., Gary, D. E., and Wang, H., 2002, *Motion of Flare Footpoint Emission and Inferred Electric Field in Reconnecting Current Sheets*, Ap.J., 565, 1335-1347
- Qiu J., Hurford, G. and Wang, H., 2005, *Fine Temporal Structure of Solar Flares*, Ap.J., submitted
- Ragazzoni, R., Marchetti, E. and Rigut, F., 1999, *Modal Tomography for Adaptive Optics*, A&A, 342, L53-56
- Ren, D., Hegwer, S. and Rimmele, T. R. et al. 2003a, "The optical design of a high order adaptive optics for the NSO Dunn solar telescope and the Big Bear solar observatory", Proc. SPIE, 4853, 593

- Ren, D., Rimmele, T., Hegwer, S. and Murray, L. 2003b, "A single-mode fiber interferometer for AO wavefront test", *PASP*, 115, 355-361
- Rimmele, T. R., Richards, K., Hegwer, S. L., Ren, D., Fletcher, S., Gregory, S., Didkovsky, L. V., Denker, C. J., Marquette, W., Marino, J., Goode, P. R. 2003, "Solar adaptive Optics: a Progress Report", *Proc. SPIE*, 4839, 635
- Spirock, T., Yurchyshyn, V., and Wang, H., 2002, *Rapid Changes in the Longitudinal Magnetic Field Related to the 2001 April 2 X20 Flare*, *Ap.J.*, 572, 1072-1076
- Sturrock, P. A., 1989, *Proceedings of Max'91 Workshop*, p. 1
- Tokovinn, A. et al. 2001, "optimized modal tomography in adaptive optics," *A&A*, 378, 710
- Tritschler, A., Denker, C., Rimmele, T., Richards, K and Hegwer, S., 2005, "The High-Order Adaptive Optics System at the Big Bear Solar Observatory", *Solar Physics*, submitted
- Wang, H., Qiu, J., Denker, C., Spirock, T., Chen, H., and Goode, P. R., 2000, *High-Cadence Observations of an Impulsive Flare*, *ApJ*, 542, 1080-1087
- Wang, H., Spirock, T. J., Qiu, J., Ji, H., Yurchyshyn, V., Moon, Y.-J., Denker, C. and Goode, P. R., 2002, *Rapid Changes of Magnetic Fields Associated with Six X-Class Flares*, *Ap.J.*, 576, 497-504
- Wang, H., Liu, C., Qiu, J., Deng, N., Goode, P. R., & Denker, C., 2004, *Rapid Penumbral Decay Following Three X-Class Flares*, *Ap.J. Letters*, 601, L195-198
- Xu, Y., Cao, W., Liu, C., Yang, G., Qiu, J., Jing, J. Denker, C. and Wang, H., 2004, *Near-Infrared Observations at 1.56 Microns of the 2003 October 29 X10 White-Light Flare*, 2004, *Ap.J. Letter*, 607, L131
- Xu, Y., Cao, W., Liu, C., Yang, G., Jing, J., Denker, C., and Wang, H., 2005, *High Resolution Observations of Multi-Wavelength Emissions During Two X-Class White-Light Flares*, *Ap.J.*, Submitted
- Yang, G., Xu, Y., Cao, W., Wang, H., Denker, C. and Rimmele, T. R., 2004, *Photospheric Shear Flows Along the Magnetic Neutral Line of Active Region 10486 Prior to An X10 Flare*, 2004, *Ap. J. Letters*, 617, L151-154